

What is claimed is:

- 1 1. A triode field emission display (FED) using carbon nanotubes,
2 comprising:
 - 3 front and rear substrates disposed to face each other and separated by a
4 predetermined distance;
 - 5 a cathode formed on the rear substrate;
 - 6 carbon nanotubes formed on the cathode;
 - 7 an anode formed on the front substrate;
 - 8 phosphor formed on the anode; and
 - 9 an extraction electrode formed on the front substrate on which the anode is
10 formed, the extraction electrode being separated from the anode by a predetermined
11 distance.
- 1 2. A triode field emission display (FED) using carbon nanotubes,
2 comprising:
 - 3 front and rear substrates disposed to face each other and separated by a
4 predetermined distance;
 - 5 cathode lines formed on the rear substrate in a striped pattern;
 - 6 carbon nanotubes formed on the cathode lines at regular intervals;
 - 7 anode lines formed on the front substrate in a striped pattern crossing the
8 cathode lines;
 - 9 phosphor formed on the anode lines; and
 - 10 extraction electrodes formed on the front substrate on which the anodes are
11 formed, each extraction electrode being separated from each adjacent anode by a
12 predetermined distance, the extraction electrodes being formed in a striped pattern
13 parallel to the anode lines.

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